



Himachal Pradesh State Biodiversity Board

O/o State Council for Science Technology and Environment, H.P.
34-SDA Complex, Kasumpti, Shimla-9

Proceeding of the 1st Meeting of the Committee for Threatened Plants organized by the Himachal Pradesh State Biodiversity Board (HPSBB) under the Chairmanship of Dr. V. P. Tiwari, Director, Himalayan Forest Research Instituted (HFRI), Shimla, on 01st February 2017, at 11:00AM in the Committee Room of HFRI, Shimla.

The HP State Biodiversity Board organized 1st Meeting of the Committee for Threatened Plants to be re-notified under Section 38 of Biological Diversity Act, 2002 vide Gazette notification issued by Govt. of Himachal Pradesh, notification no. STE-A(3)-1/2004 dated 17th December 2016. The Meeting was held under the Chairmanship of Dr. V. P. Tiwari, Director, Himalayan Forest Research Instituted (HFRI), Shimla, on 01st February 2017, at 11:00AM in Committee Room of HFRI, Shimla to review the list of threatened plant species of Himachal Pradesh. The list of members and special invitees who participated in the meeting is enclosed at *Annexure-I*. At the outset, Sh. Kunal Satyarthi, Joint Member Secretary, HPSBB welcomed the Chairman, members and special invitees and informed about the purpose of the meeting and the background of the issues with reference to the threatened species of Himachal Pradesh. Thereafter, he made a presentation about the issues concerning Threatened Plant species of the State notified by Ministry of Environment Forests and Climate Change, GoI, New Delhi on 19th March, 2009.

The issues taken up for discussion were as follows:-

1. The list prepared by Botanical Survey of India (BSI) for notifying threatened plant species was sent by Jt. Secretary, MoEF&CC, GoI for comments/suggestions to HPSBB on 20th Oct., 2008.
2. Therefore, effort was made by the HPSBB for getting comments and suggestions from the Departments, Universities and Institutions of the State during 2008-09 about the list of threatened plant species identified by BSI.
3. Subsequently, a Gazette notification under Section 38 of BD Act, 2002 was issued by MoEF&CC, Govt. of India on 19th March, 2009 vide which eight plant species were notified as threatened species namely:-

1. *Aconitum deinorrhizum* Stapf
2. *Aconitum heterophyllum* Wall
3. *Aconitum violaceum* Jacq
4. *Nardostachys grandiflora* DC
5. *Dactylorhiza hatagirea* D. Don
6. *Taxus wallichiana* Zucc
7. *Eremostachys superba* Royle ex Benth
8. *Jasminum parkeri* Dunn

4. HPSBB received a letter from Chief Conservator of Forest (FD, NTFP & Research Management), Sundernagar HP on 13/12/2016 about the notification dated 19th March, 2009 pertaining to HP under BD Act, 2002. The letter sought appropriate direction/guideline for promotion of cultivation of notified species namely *Aconitum heterophyllum*, and *Taxus wallichiana* and the future possibilities of cultivation of *Dactylorhiza hatagirea* and *Nardostachys grandiflora*.
5. M/s Dabur India Ltd. approached the HPSBB in the year 2015 vide which permission was sought for procurement of *Aconitum heterophyllum* from Farmer's Cooperative Society (Lahaul Valley Medicinal & Aromatic Plants Growers Marketing Society) under contract farming.
6. Recent suggestions given by Botanical Survey of India (BSI), Dehradun were also taken up for discussion in the House for finalizing the list for re-notification of the threatened species.
7. List of threatened plant species adopted in the Himalayan State of Uttarakhand on 15th April, 2009 and the list of threatened medicinal plants identified under CAMP workshop 2010 were also placed before the house for discussion.

Detailed discussions were held on each of the issue as above in the meeting and all members gave their views/suggestions on the list of plants species required to be re-notified by MoEF&CC, GoI, as threatened plant species of Himachal Pradesh.

The list finalized, for re-notification of the threatened plants, after detailed deliberation is as follows:

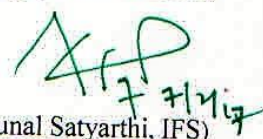
Sr. No.	Scientific Name	Common name	Family
1	<i>Aconitum deinorrhizum</i> Stapf	Mohra	Ranunculaceae
2	<i>Aconitum heterophyllum</i> Wall	Atis	Ranunculaceae
3	<i>Arnebia benthamii</i> (Wall. ex G.Don) I. M. Johnst.	Ratanjot	Boraginaceae
4	<i>Atropa acuminata</i> Royle ex. Lindl.	Jharka	Solanaceae
5	<i>Berberis aristata</i> DC.	Kashmal	Berberidaceae
6	<i>Betula alnoides</i> Buch.-Ham. ex D.Don	Himalayan birch	Betulaceae
7	<i>Dactylorhiza hatagirea</i> D. Don	Salam panja	Orchidaceae
8	<i>Eremostachys superba</i> Royle ex Benth	Gajar Mula	Lamiaceae
9	<i>Fritillaria roylei</i> Hook.	Kakoli/Jangli lasen	Liliaceae
10	<i>Gentiana kurroo</i> Royle	Kutki	Gentianaceae
11	<i>Habenaria edgeworthii</i> Hook. f. ex Collett	Jeevak	Orchidaceae
12	<i>Jasminum parkeri</i> Dunn	Dwarf Jasmine	Oleaceae
13	<i>Lilium polyphyllum</i> D. Don	Ksheer kakoli	Liliaceae
14	<i>Malaxis muscifera</i> (Lindl.) Kuntze	Ridhi	Orchidaceae
15	<i>Nardostachys grandiflora</i> DC	Jatamansi	Boraginaceae
16	<i>Paris polyphylla</i> Sm.	Dudhia bach	Liliaceae
17	<i>Sinopodophyllum hexandrum</i> (Royle) T.S. Ying	Bankakri	Berberidaceae

18	<i>Skimmia laureola</i> (DC.) Siebold & Zucc. ex Walp.	Ner dhoop	Rutaceae
19	<i>Staphylea emodi</i> Wall. ex Brandis	Himalayan bladdernut/ Nag Danu	Staphyleaceae
20	<i>Swertia chirayita</i> (Roxb. ex Fleming) Karsten	Chiretta/Chirayata	Gentianaceae
21	<i>Taxus contorta</i> Griff.	Rakhal/Birmi	Taxaceae
22	<i>Trillium govanianum</i> Wall. ex D. Don	Himalayan Trillium/Nag chhatri	Melanthiaceae

The Agriculture and Horticulture Departments were also requested to prepare the probable list of plants traditional agriculture & horticulture which are endemic and rare crops/plants respectively which could be included under the Section 38 of Biological Diversity, Act 2002. The NBPGR, Phagli, Shimla may also provide additional information regarding agriculture/horticulture species which can be brought under threatened species. The Committee also recommended for three species namely *Aconitum heterophyllum*, *Podophyllum hexandrum* and *Taxus wallichiana* to be re-notified as threatened plant species but with a clause for exemption, from the provision of Section 38 of Biological Diversity Act, 2002 if they are being cultivated for commercial purposes in the State.

Ms. Archana Sharma, Director, Environment, Science and Technology-cum-Member Secretary, HP State Biodiversity Board thanked the members for giving their valuable feedback and suggestion for preparation of the list of threatened plant species for re-notification under the Section 38 of Biological Diversity Act, 2002.

Dr. V.P Tiwari, Director, HFRI, Shimla and Chairman, Committee for Threatened Plant Species formally thanked all the participating members and special invitees for their active participation and contribution and hoped that the list being recommended now for re-notification under the Section of 38 of Biological Diversity Act, 2002 would be realistic and would serve the purpose of providing necessary safe guards and also concrete measures for conservation of the species in perpetuity. Comments/suggestions on the list of threatened plant species of Himachal Pradesh require to be re-notified by Ministry of Environment Forests and Climate Change, Govt. of India, as above, is required within a fortnight please.


(Kunal Satyarthi, IFS)

**Joint Member Secretary
H.P. State Biodiversity Board**



Himachal Pradesh State Biodiversity Board

O/o State Council for Science Technology and Environment, H.P

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REGISTRATION

1st MEETING OF THE COMMITTEE FOR THREATENED PLANTS

to

“REVIEW THE LIST OF THREATENED PLANT SPECIES OF HIMACHAL PRADESH”

at

HIMALAYAN FOREST RESEARCH INSTITUTED (HFRI), SHIMLA

(1st February 2017, at 11:00 AM)

Sr. No.	NAME	DESIGNATION	ADDRESS
1.	Dr. V.P. Tewari	Chairperson	Director, Himalayan Forest Research Institute, Conifer Campus Panthaghati, Shimla (HP) - 171 009 94184-22769 dir_hfri@icfre.org
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3.	Dr. Neena Thakur	Member	SMS (PIU- World Bank Project), Directorate of Horticulture, Navbahar Shimla, HP – 171002 94182-11423 drneena2003hort@yahoo.co.in
4.	Dr. Ashok Verma	Member	Vegetable Specialist, Directorate of Agriculture, Krishi Bhawan, Boileauganj, Shimla (HP)-171005 94187-57850 Krishibhawan.hp@gov.in
5.	Smt. Archana Sharma	Convener	Member Secretary, HP State Biodiversity Board, O/o State Council For Science Technology & Environment, 34 SDA Complex-Kasumpti, Shimla,HP-9

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6.	Sh. Kunal Satyarthi	Jt. Member Secretary	Jt. Member Secretary, HP State Biodiversity Board, O/o State Council For Science Technology & Environment, 34 SDA Complex-Kasumpti, Shimla,HP-9 94103-94349 kunalsatyarthi@gmail.com
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9.	Dr. K S Kapoor	Special Invitee	Head, Div. of Ecology & Biodiversity, Himalayan Forest Research Institute, Conifer Campus Panthaghati, Shimla (HP) - 171 009 94182-33224 kulrajkapoor@yahoo.com
10.	Dr. K S Verma	Special Invitee	Scientist-F, Div. of Ecology & Biodiversity, HFRI Institute, Conifer Campus Panthaghati, Shimla (HP) 94181-89326 rkverma89326@gmail.com
11.	Dr. Jagdish singh	Special Invitee	Scientist-F, Head, NWFP Himalayan Forest Research Institute, Conifer Campus Panthaghati, Shimla (HP) - 171 009 94180-71421 singhj@icfre.org
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13.	Sh. B S Rana	Special Invitee	Director, FTI, HP Forest Department, Chail, Solan. 9418488222 bsrana61@gmail.com
14.	Sh. K. Kaisth	Principal Scientific Officer	Principal Scientific Officer, HP State Biodiversity Board,

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15.	Dr. Pankaj Sharma	Sr. Scientific Professional	Sr. Scientific Professional, HP State Biodiversity Board, O/o State Council For Science Technology & Environment, 34 SDA Complex-Kasumpti, Shimla,HP-9 94188-79653 spankaj80@gmail.com
16.	Dr. Dinesh Gupta	Project Associate	Project Associate, HP State Biodiversity Board, O/o State Council For Science Technology & Environment, 34 SDA Complex-Kasumpti, Shimla,HP-9 94188-59909 guptadinesh07@gmail.com